Contents of Volume 15

Number 1, February 1985

Stimulation of peritoneal synthesis of vasoactive prostaglandins during peritonitis in patients on continuous ambulatory peritoneal dialysis
H. B. Steinhauer, B. Günter and P. Schollmeyer 1

Coexistance of hypocalciuric hypercalcaemia and interstitial lung disease in a family: a cross-sectional study
Johan Auwerx, Maurits Demedts, Roger Bouillon and Johan Desmet 6

Differences in basal and stimulated cyclic AMP content in calvaria bones from normal mice and mice with an impaired lysosomal function (beige mice)
M. Ransjo, B. B. Fredholm, U. Lerner and G. T. Gustafson 15

Effect of dazoxiben, a thromboxane synthetase inhibitor on skin-blood flow following cold challenge in patients with Raynaud's phenomenon
H. Tindall, J. E. Tooke, V. C. Menys, M. F. R. Martin and J. A. Davies 20

Defective renal water excretion in nephrotic syndrome: the relationship between renal water excretion and kidney function, arginine vasopressin, angiotensin II and aldosterone in plasma before and after oral water loading
E. B. Pedersen, H. Danielsen, M. Madsen and T. Jensen 24

Adrenergic regulation of lypolysis in abdominal adipocytes of obese subjects during caloric restriction: reversal of catecholamine action caused by relief of endogenous inhibition
H. Kather, E. Wieland, B. Fischer, A. Wirth and G. Schlierf 30

Effect of renal function on renal responsiveness to parathyroid hormone in primary hyperthyroidism and chronic renal failure
I. G. Lewin, G. N. Hendy, S. E. Papapoulos, S. Tomlinson and J. L. H. O'Riordan 38

Plasma oxalate concentration and oxalate distribution volume in patients with normal and decreased renal function
J. A. C. Prenen, E. J. Dorhout Mees and P. Boer 45

Instructions to authors i

Number 2, April 1985

Editorial: Models and mechanisms on very low density lipoprotein metabolism
C. J. Packard and J. Shepherd 51

Effects of dopamine and dobutamine on the distribution of pulmonary blood flow during lobular ventilation hypoxia and lobular collapse in dogs
P. A. McFarlane, A. J. Mortimer, W. A. Ryder, R. G. Madgwick, J.-P. Gardaz, B. J Harrison and M. K. Sykes 53

Granulocyte migration in ulcerative colitis
S. H. Saverymuttu, V. S. Chadwick and H. J. F. Hodgson 60

Immunofluorescence detection of liver cell membrane autoantibodies using PLC/PRF/1 cells
R. W. de Koning, M. Daemen, B. Schutte, H. G. M. Geertzen, G. H. Blijham and F. T. Bosman 64

Variation in serum Type III procollagen peptide with age in healthy subjects and its comparative value in the assessment of disease activity in children and adults with chronic active hepatitis
P. Trivedi, P. Cheeseman, B. Portmann, J. Hegarty and A. P. Mowat 69

Abnormality of adenylate cyclase regulation in human platelet membranes in renal insufficiency
B. Jacobsson, L. Ransnäs, G. Nyberg, C. H. Bergh, Y. Magnusson and Ä. Hjalmarson 75

Abnormalities of *in vitro* responses to polyclonal activation of peripheral blood lymphocytes in patients with active sarcoidosis
J.-L. Pasquali, D. Godin, A. Urlacher, A. Pelletier, G. Pauli and D. Storck 82

Correlation of disease activity in systemic vasculitis with serum C-reactive protein measurement. A prospective study of thirty-eight patients
C. R. K. Hind, C. G. Winearls and M. B. Pepys 89

Vitamins D3 uptake by the isolated perfused rat liver from lipoprotein fractions is separate from cholesterol and trigyceride uptake
E. Ziv, H. Bar-On and J. Silver 95

Plasma apolipoprotein B metabolism in familial type III dysbetalipo-proteinaemia
P. R. Turner, C. Cortese, R. Wootton, C. Marenah, N. E. Miller and B. Lewis 100

Number 3, June 1985

Insulin *in vivo* increases the *in vitro* fall of plasma potassium concentration in human venous blood
N. A. Kalsheker and C. N. Hales 113

Concentrative transport of purine nucleosides in brush border vesicles of the rat kidney
M. le Hir and U. C. Dubach 121

Effect of *in vitro* non-enzymatic glycosylation of human skin collagen on susceptibility to collagenase digestion
T. J. Lyons and L. Kennedy 128

Type IV collagen and laminin-related antigens in human serum in alcoholic liver disease
Onni Niemelä, Leila Risteli, Eero A. Sotaniemi and Juha Risteli 132

Bactericidal activity of ascitic fluid in patients with nephrotic syndrome
H. E. Akalin, K. A. Fisher, Yahya Laleli and Sali Caglar 138

Active and acid-activable inactive renin during inhibition by indomethacin of prostaglandin synthesis in sodium-replete man
P. Lijnen, J. Staessen, R. Fagard, D. Groeseneken, J. R. M'Buyamba-Kabangu, R. Grauwels and A. Amery 141

Drug influences on rat hepatic macrophage enzyme production and release *in vitro*
A. R. Tanner, A. H. Keyhani and R. Wright 146

Is the renal kallikrein system relevant to sodium sensitivity in patients with essential hypertension
M. I. Koolen, M. R. Daha and P. van Brummelen 151

Reduced tubular reabsorption of phosphate during post-operative glucose infusions in humans
Allan Rasmussen and Laws Jespersen 157

Number 4, August 1985

Fibrinolytic study in plasma and ascitic fluid of cirrhotic patients before and after ascites concentration; reinfusion technique
G. M. Patrassi, S. Martinelli, G. C. Sturniolo, M. G. Cappellato, M. Vicariotto and A. Girolami 161

Effect of sympathetic stimulation and intrarenal alpha-blockade on the secretion of renin by the human kidney
P. W. de Leeuw, R. de Bos, P. N. van Es and W. H. Birkenhäger 166

Bioavailability, gastrointestinal transit, solubilization and faecal excretion of ursodeoxycholic acid in man
M. Parquet, E. H. Metman, A. Raizman, J. C. Rambaud, N. Berthaux and R. Infante 171

Relationship of brain glutamine and brain neutral amino acid concentration after portacaval anastomosis in rats
B. Jeppsson, J. Howard James, L. L. Edwards and J. E. Fischer 179

Effect of heparin and aspirin on platelet and clotting activation during leukapheresis
F. Fabris, A. Casonato, M. L. Randi, M. Belloni, V. Quaino, G. Ongaro and A. Girolami 188

Duodenal gamma-glutamyltransferase activity in human biopsies: effect of chronic ethanol consumption and duodenal morphology
H. K. Seitz, D. Velasquez, R. Waldherr *et al.* 192

Metabolic response to different forms of physical exercise in type 1 diabetics and the duration of the glucose lowering effect
A. Hübinger, I. Ridderskamp, E. Lehmann and F. Arnold Gries 197

Age related changes of platelet prostacyclin receptors in humans
P. A. Modesti, A. Fortini, R. Abbate and G. F. Gensini 204

Evidence for a Na-K-ATPase-inhibitor in erythrocytes of patients with essential hypertension
U. Walter and S. Müller 209

Lipolytic and anticoagulant activities of a low molecular weight fragment of heparin
E. Persson, J. Nordenström, P. Nilsson-Ehle and L. Hagenfeldt 215

Role of gastrointestinal tract liver in acetate metabolism in rat and man
D. B. J. Herrmann, R. Herz and J. Frohlich 221

Cytotoxicity of lectins on rat intestinal mucosa enhanced by neuraminidase
H. Lorenz-Meyer, H. Roth, P. Elsässer and U. Hahn 227

Number 5, October 1985

Editorial: Immunogenetics of disease, mechanisms and clinical aspects
M. Thomsen 235

Editorial: Cytosolic free calcium, a key second messenger in cellular activation
P. D. Lew 238

Editorial: Activation of phagocytes
N. Borregaard 240

Serum β_2-microglobulin at remission and relapse in patients with multiple myeloma
G. Brenning, L. Wibell and R. Bergström 242

Regional and systemic effects of short-term intense muscular work on plasma concentration and content of total and ionized calcium
S. Ljunghall, H. Joborn, L. Lundin, J. Rastad, L. Wide and G. Åkerström 248

Pharmacokinetic and pharmacodynamic interaction between furosemide and metolazone in man
C. Marone, F. Muggli, W. Lahn and F. J. Frey 253

B complex vitamins activate rat guanylate cyclase and increase cyclic GMP levels
D. L. Vesely 258

Relationship between turnover rate and oxidation rate of alanine in the post-absorptive state and during parenteral nutrition before and after surgery
H. P. Sauerwein, R. P. J. Michels and V. Cejka 263

Glucocorticoid hormone binding to human adipose tissue
M. Rebuffé-Scrive, K. Lundholm and P. Björntorp 267

Naloxone inhibits sulpiride-induced hyperprolactinaemia in man
G. P. Bernini, R. Pedrinelli, A. Salvetti, F. Franchi and M. Luisi 272

Blood to interstitial fluid volume ratio in chronic hypokalaemic states
P. Boer, H. A. Koomans, R. J. Hené, G. G. Geyskes, B. A. M. Van Shaik, J. C. Roos and E. J. Dorhout Mees 276

Variant of acute intermittent porphyria with normal erythrocyte uroporphyrinogen-I-synthase activity
P. Mustajoki and R. Tenhunen 281

Changes in quantitative measures of hepatic function after 90% hepatectomy in rats
H. E. Poulsen, J. Gaub and J. Iversen 285

Antibodies to human T-cell lymphotropic virus type III in promiscuous healthy homosexual men. Relation to immunological and clinical findings
J. Gerstoft, B. Ørskov Lindhardt, C. S. Petersen, S. Kroon, S. Ullman, S. Møller, J. Ole Nielsen and E. Dickmeiss 290

Number 6, December 1985

Editorial: Recent trends in renal immunopathology
P. Druet and P. Verroust 297

Editorial: Brain and behaviour
T. L. Bolwig 300

Thigh muscle mass and function in patients treated with glucocorticoids
F. F. Horber, J. T. Scheidegger, B. E. Grünig and F. J. Frey 302

Fibrinolytic shut-down after surgery: impairment of the balance between tissue-type plasminogen activator and its specific inhibitor
A. d'Angelo, C. Kluft, J. H. Verheijen, D. C. Rejken, E. Mozzi and P. M. Mannucci 308

Heparin-induced platelet aggregation in anorexia nervosa and in severe peripheral vascular disease
D. P. Mikhailidis, M. A. Barradas, J. Y. Jeremy, L. Gracey, A. Wakeling and P. Dandona 313

Stimulatory cholinergic effect on the release of antiaggregatory activity into the circulation of cat and man its modification by β-adrenergic antagonists
J. Swies, M. Radomski, A. Dembińska-Kieć, R. Korbut, R. J. Gryglewski, R. Brandt and J. Nowak 320

Production of leukotrienes and prostaglandins by human ascites cells
R. J. Th. Ouwendijk, F. J. Zijlstra, J. H. P. Wilson, J. E. Vincent and T. L. Bonta 327

Neutral steroid metabolites in patients with uraemia and after renal transplantation: a quantitative and qualitative study in body fluids
Helga Ludwig-Köhn, J. V. Henning, Astrid Sziedat, P. Klug, H. Alexander and F. Scheler 332

Evidence that epinephrine acts preferentially as an antilipolytic agent in abdominal human subcutaneous fat cells: assessment by analysis of beta and alpha$_2$ adrenoceptors properties
Michel Berlan and Max Lafontan 341

Direct determination of leucine metabolism and protein breakdown in humans using L-[^{13}C, ^{15}N]-leucine and the forearm model
K. N. Cheng, F. Dworzak, G. C. Ford, and D. Halliday 349

Effect of captopril infusion on systemic and renal haemodynamics in conscious hypertensive rats with chronic, progressive aortic ligation
Luis M. Gonzalez-Perez, Vicente Martin-Paredero, Santos Casado and Jose M. Lopez-Novoa 355

Renal water and sodium handling in compensated liver cirrhosis: mechanism of the impaired natriuresis after saline loading
L. Caregaro, S. Lauro, P. Angeli, C. Merkel and A. Gatta 360

Total and unbound cortisol-, progesterone-, oestrone- and transcortin-binding activities in sera from patients with myocardial infarction: evidence for differential responses of good and bad prognostic cases
Hassen Zouaghi, Lia Savu, Claude Guerot, Raymond Gryman, Aline Coulon and Emmanuel A. Nunez 365

Sulphur amino-acid degradation in subjects with hereditary glutathione synthetase deficiency (5-oxoprolinuria)
Johannes Mårtensson, Bertil Kågedal and Agne Larsson 371

On the mechanism of renin release during experimental myocardial ischaemia
Georg Ertl, Malte Meesmann and Kurt Kochsiek 375

Phosphocreatine content and intracellular pH of calf muscle measured by phosphorus NMR spectroscopy in occlusive arterial disease of the legs
U. Keller, R. Oberhänsli, P. Huber, L. K. Widmer, W. P. Aue, R. I. Hassink, S. Müller and J. Sellig 382

Rheological and transport properties of airway secretions in cystic fibrosis—relationships with the degree of infection and severity of the disease
E. Puchelle, J. Jacquot, G. Beck, J. M. Zahm and C. Galabert 389

Discrepancies in the catabolic pathways of human and rat high-density lipoprotein apolipoprotein A-I in the rat
Ferdinand M. van't Hooft and Arie van Tol 395

Platelet alpha$_2$ adrenoceptors in Parkinson's disease: decreased number in untreated patients and recovery after treatment
Alain Villeneuve, Michel Berlan, Max Lafontan, Claudine Caranobe, Bernard Boneu, André Rascol and Jean-Louis Montastruc 403

Reduced strength of skin in osteogenesis imperfecta
Hans Oxlund, Ulrik Pedersen, Carl Danielsen, Inger Oxlund and Ole Elbrøond 408

Effect of incremental doses of aspirin on bleeding time, platelet aggregation and thromboxane production in patients with cerebrovascular disease
A Hasager Boss, G. Boysen and J. Steen Olseen 412

Experimental studies on the adult respiratory distress syndrome: effects of induced DIC; granulocytes and elastase in mini pigs
T. Stokke, H. Burchardi, I. Hensel and W. H. Horl 415

Levels of ventricular myosin fragments in human sera after myocardial infarction, determined with monoclonal antibodies to myosin heavy chains
J. O. C. Leger, P. Bouvagnet, B. Pau, R. Roncucci and J. J. Leger 422

Disposition of di- and mono-(2-ethylhexyl) phthalate in newborn infants subjected to exchange transfusions
P. Sjöberg, U. Bondesson, G. Sedin and J. Gustafsson 430

Editorial Acknowledgment 437

Author Index

Key Word Index 441